

## EQUALIZER

### ABSTRACT OF THE DISCLOSURE

A method and an equalizer circuit equalize signals transmitted on a line having an attenuation. The equalizer circuit includes: an analogical adaptive filter applied in series with the line and includes plural transconductance filters having a bias current each and to which it is associated a pole and a zero the position in frequency of which in the working band is variable in response to the bias current; a retroaction circuit applied to the output of the filter able to vary the bias current; the bias current varying at the varying of said attenuation of said line; wherein the bias current of the transconductance filters has a prefixed value; the bias current is made to vary at the increasing of the attenuation so that the pole is moved toward high frequencies; and the bias current is made to vary at the increasing of the attenuation so that the zero is moved toward low frequencies. .

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